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Reviewer: Durreshwar Anjum
Timestamp: Wed Sep 05 13:34:45 EDT 2007
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Validated By CRFValidator v 1.0.3

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      CHANG, HONG
      REDCROW, CYRIL
      RAY, SUMITA
      CLARK, IMRAN

<120> IMPROVED ELECTROPHYSIOLOGICAL ASSAYS USING OOCYTES THAT
      EXPRESS HUMAN ENaC AND THE USE OF PHENAMIL TO IMPROVE
      THE EFFECT OF ENaC ENHANCERS IN ASSAYS USING MEMBRANE
      POTENTIAL REPORTING DYES

<130> 67824.431530

<140> 10563758
<141> 2007-08-24

<150> PCT/US04/021853
<151> 2004-07-09

<150> 60/485,745
<151> 2003-07-10

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Ala Val Thr Ile Cys Thr Leu Asn Pro Tyr Arg Tyr Pro Glu Ile Lys
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Leu Tyr Lys Tyr Ser Ser Phe Thr Thr Leu Val Ala Gly Ser Arg Ser
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Arg Arg Asp Leu Arg Gly Thr Leu Pro His Pro Leu Gln Arg Leu Arg
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Val Pro Pro Pro Pro His Gly Ala Arg Arg Ala Arg Ser Val Ala Ser
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Ser Leu Arg Asp Asn Asn Pro Gln Val Asp Trp Lys Asp Trp Lys Ile
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Gly Phe Gln Leu Cys Asn Gln Asn Lys Ser Asp Cys Phe Tyr Gln Thr
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Tyr Ser Ser Gly Val Asp Ala Val Arg Glu Trp Tyr Arg Phe His Tyr
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Ile Asn Ile Leu Ser Arg Leu Pro Glu Thr Leu Pro Ser Leu Glu Glu
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Asp Thr Leu Gly Asn Phe Ile Phe Ala Cys Arg Phe Asn Gln Val Ser
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Cys Asn Gln Ala Asn Tyr Ser His Phe His His Pro Met Tyr Gly Asn
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Cys Tyr Thr Phe Asn Asp Lys Asn Asn Ser Asn Leu Trp Met Ser Ser
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Asp Arg Leu Gly Gly Asp Tyr Gly Asp Cys Thr Lys Asn Gly Ser Asp
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Trp Gln Trp Gly Ile Phe Ile Arg Thr Tyr Leu Ser Trp Glu Val Ser
 65   70   75   80

Val Ser Leu Ser Val Gly Phe Lys Thr Met Asp Phe Pro Ala Val Thr
                    85   90   95

Ile Cys Asn Ala Ser Pro Phe Lys Tyr Ser Lys Ile Lys His Leu Leu
                    100   105   110

Lys Asp Leu Asp Glu Leu Met Glu Ala Val Leu Glu Arg Ile Leu Ala
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Pro Glu Leu Ser His Ala Asn Ala Thr Arg Asn Leu Asn Phe Ser Ile
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Pro Met Val Leu Asp Leu Phe Gly Asp Asn His Asn Gly Leu Thr Ser
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Ser Ser Ala Ser Glu Lys Ile Cys Asn Ala His Gly Cys Lys Met Ala
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Thr Ser Ala Thr Gln Ala Leu Thr Glu Trp Tyr Ile Leu Gln Ala Thr
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Pro Gly Glu Gln Met Ile Leu Ala Cys Leu Phe Gly Ala Glu Pro Cys
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Asn Tyr Arg Asn Phe Thr Ser Ile Phe Tyr Pro His Tyr Gly Asn Cys
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Pro Gly Thr Glu Phe Gly Leu Lys Leu Ile Leu Asp Ile Gly Gln Glu
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His Glu Gln Arg Ser Tyr Pro Phe Ile Arg Asp Glu Gly Ile Tyr Ala
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Glu Ala Ser Glu Asp Trp Ile Phe His Val Leu Ser Gln Glu Arg Asp
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